

#### PIKE TECHNICAL SERVICES, INC.

183 Tollage Creek Pikeville, Kentucky 41501 Phone: (606) 432-0300 or Fax: (606) 433-1820

September 17, 2009

Mr. Erich Cleaver Environmental and Public Protection Cabinet Division of Water 200 Fair Oaks Lane Frankfort, KY 40601

> Re: Frasure Creek Mining, LLC DNR Permit No. 836-0326 NW

Dear Mr. Cleaver:

On behalf of Frasure Creek Mining, LLC, I wish to submit for review and processing an individual KPDES as requested in your letter dated July 6, 2009 for the above referenced mining permit located on Turkey Creek in Floyd County, Kentucky. This permit will have one (2) surface water monitoring points and twelve (12) sediment ponds. I have included KPDES Forms 1 and C as well as pertinent maps as required for an individual KPDES permit.

Please feel free to contact me if you have any questions or need additional information.

Sincerely,

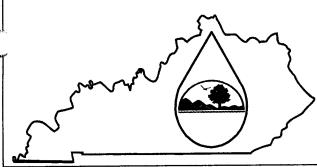
Jason Slone

**Project Manager** 

c: file

## **KPDES FORM 1**

KITH JU



# KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

SEP 18 2009

## PERMIT APPLICATION

	A complete application consists of this form and one of the
Z reply res was a kenner.	following:
Apply for reissuance of expiring permit.	Form A, Form B, Form C, Form F, or Form SC
Apply for a construction permit.	
	For additional information contact: CK 240 KPDFS Branch (502) 564-3410
Give reason for modification under Item II.A.	RI DES Branch (302) 301 3110
I. FACILITY LOCATION AND CONTACT INFORMATION	AGENCY USE 0 1 0 8 ( / /
A. Name of Business, Municipality, Company, Etc. Requesting Perm FRASURE CREEK MINING, LLC	it
B. Facility Name and Location	C. Primary Mailing Address (all facility correspondence will be sent to this address). Include owner's mailing address (if different) in D.
Facility Location Name:	Facility Contact Name and Title: Mr. Ms.
FRASURE CREEK MINING, LLC	JOHN LOWE
Facility Location Address (i.e. street, road, etc., not P.O. Box):	Mailing Address:
, , , , , , , , ,	1070 777 1111 771 701 70
KY ROUTE 680	4978 TEAYS VALLEY ROAD
Facility Location City, State, Zip Code:	Mailing City, State, Zip Code:
EASTERN, KY 41622	SCOTT DEPOT, WV 25560
D. Owner's name (if not the same as in part A and C):	Facility Contact Telephone Number:
	(204) 204 1455
Owner's Mailing Address:	(304) 204-1455 Owner's Telephone Number (if different):
Owner's Maining Address.	( a man b 1 man ( a man man)
A. Provide a brief description of activities, products, etc: Surface of	contour and auger mining operation
B. Standard Industrial Classification (SIC) Code and Description	
Principal SIC Code &	
Description: 2121 MINING	
Description.	
Other SIC Codes:	
Other Sid Course	1
III. FACILITY LOCATION	AND THE RESIDENCE OF THE PARTY
A. Attach a U.S. Geological Survey 7 ½ minute quadrangle map for	the site (See instructions)
B. County where facility is located: FLOYD	City where facility is located (if applicable):
C. Body of water receiving discharge: TURKEY CREEK	
D. Facility Site Latitude (degrees, minutes, seconds):	Facility Site Longitude (degrees, minutes, seconds):
_37° 29' 08"	82° 47' 37"
E. Method used to obtain latitude & longitude (see instructions):	TOPOGRAPHIC MAP COORDINATES
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):	

1	DI OWNED ODED ATOD INCODMATI	ON		
Ì	IV. OWNER/OPERATOR INFORMATI  A. Type of Ownership:			
	Publicly Owned Privately Owned B. Operator Contact Information (See instru		Both Public and Priva	ate Owned  Federally owned
-	Name of Treatment Plant Operator:	ictions)	Telephone Number:	
	N/A			
	Operator Mailing Address (Street):			
	Operator Mailing Address (City, State, Zip Code):			
l	Is the operator also the owner?	<del>ga yang dan dan dan dan dan dan dan dan dan dan</del>		f yes, list certification class and number below.
	Yes No Certification Class:		Yes No Certification Number:	
ĺ				
ſ				
	V. EXISTING ENVIRONMENTAL PER	MITS		
	Current NPDES Number:	Issue Date of Current Pern	nit:	Expiration Date of Current Permit:
		COLL ID III		Clades Diseased Posseit Number
	Number of Times Permit Reissued:	Date of Original Permit Iss	suance:	Sludge Disposal Permit Number:
	Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit	Number(s):	
	Transition of the second of th	836-0034		
İ				
	Which of the following additional environment	ental permit/registratio	n categories will also a	apply to this facility?
		1		PERMIT NEEDED WITH
	CATEGORY	EXISTING PER	RMIT WITH NO.	PLANNED APPLICATION DATE
	Air Emission Source	N/A		
-	All Emission Source	1071		
	Solid or Special Waste	N/A		
		N/A N/A		
	Solid or Special Waste  Hazardous Waste - Registration or Permit			
	Hazardous Waste - Registration or Permit	N/A		
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPO	N/A ORTS (DMRs)		
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORTS  KPDES permit holders are required to sul	N/A  ORTS (DMRs)  bmit DMRs to the Div	vision of Water on a	regular schedule (as defined by the KPDES
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORTS  KPDES permit holders are required to suppermit). Information in this section serves	DRTS (DMRs) bmit DMRs to the Divito specifically identify	the name and telephor	regular schedule (as defined by the KPDES ne number of the DMR official and the DMR
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORT STATES AND STA	N/A  ORTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in S	the name and telephor	regular schedule (as defined by the KPDES ne number of the DMR official and the DMR
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORT STATES AND STA	N/A  DRTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in Some office or individual	the name and telephor	regular schedule (as defined by the KPDES ne number of the DMR official and the DMR
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORT STATES AND STA	N/A  DRTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in Some office or individual	the name and telephor	regular schedule (as defined by the KPDES ne number of the DMR official and the DMR
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORT  KPDES permit holders are required to suppermit). Information in this section serves mailing address (if different from the prima)  A. DMR Official (i.e., the department, designated as responsible for submitting Division of Water):	N/A  DRTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in Some office or individual	the name and telephorection I.C).  JOHN LOWE	regular schedule (as defined by the KPDES ne number of the DMR official and the DMR
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORT STATES AND STA	N/A  DRTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in Some office or individual	the name and telephorection I.C).	regular schedule (as defined by the KPDES ne number of the DMR official and the DMR
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	VI. DISCHARGE MONITORING REPORTS  KPDES permit holders are required to supermit). Information in this section serves mailing address (if different from the prima  A. DMR Official (i.e., the department, designated as responsible for submitting Division of Water):  DMR Official Telephone Number:  B. DMR Mailing Address:  • Address the Division of Water will	DRTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in Some office or individual and DMR forms to the luse to mail DMR form	JOHN LOWE  (304) 204-1455  as (if different from m	ailing address in Section I.C), or
	VI. DISCHARGE MONITORING REPORTS  KPDES permit holders are required to supermit). Information in this section serves mailing address (if different from the prima  A. DMR Official (i.e., the department, designated as responsible for submitting Division of Water):  DMR Official Telephone Number:  B. DMR Mailing Address:  • Address the Division of Water will	DRTS (DMRs)  bmit DMRs to the Divito specifically identify ry mailing address in Some office or individual and DMR forms to the luse to mail DMR form	JOHN LOWE  (304) 204-1455  as (if different from m	ne number of the DMR official and the DMR
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	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORTS  KPDES permit holders are required to suppermit). Information in this section serves mailing address (if different from the prima)  A. DMR Official (i.e., the department, designated as responsible for submitting Division of Water):  DMR Official Telephone Number:  B. DMR Mailing Address:  Address the Division of Water will  Contact address if another individual DMR Mailing Name:	DRTS (DMRs)  bmit DMRs to the Divto specifically identify ry mailing address in Some office or individual and DMR forms to the luse to mail DMR formal, company, laborator FRASURE CREEK M	JOHN LOWE  (304) 204-1455  as (if different from my, etc. completes DMR	ailing address in Section I.C), or
	Hazardous Waste - Registration or Permit  VI. DISCHARGE MONITORING REPORT REPOR	DRTS (DMRs)  bmit DMRs to the Div to specifically identify ry mailing address in S  office or individual ag DMR forms to the  l use to mail DMR form tal, company, laborator	JOHN LOWE  (304) 204-1455  as (if different from my, etc. completes DMR  IINING, LLC  Y ROAD	ailing address in Section I.C), or

Facility Fee Category:	Filing Fee Enclosed:
Major Industry	\$240.00
VIII. CERTIFICATION	

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please

VII. APPLICATION FILING FEE

NAME AND OFFICIAL TITLE (type or print):

Mr. Ms. Kenneth G. Woodring, President

SIGNATURE

TELEPHONE NUMBER (area code and number):

304-204-1455

DATE:

September 11, 2009

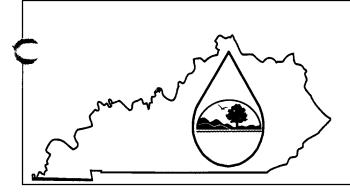
submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for

submitting false information, including the possibility of fine and imprisonment for knowing violations.

Return completed application form and attachments to: KPDES Branch, Division of Water, Frankfort Office Park, 14 Reilly Road, Frankfort, KY 40601. Direct questions to: KPDES Branch at (502) 564-3410.

## **KPDES FORM C**





### KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

#### PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility:	FRASURE CF	REEK MININ	G, LLC	Co	unty: FLOYD					
I. OUTFALL LO					GENCY USE	01	08	1	ı	1
For each outfall lis	st the latitude a	nd longitude	of its location	to the nearest	15 seconds as	nd the name o	of the receiv	ing wate	r.	
Outfall No.		LATITUDE			LONGITUDE					
(list)	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	RECEIV	ING WA	ATER (1	name)
REFERENCE										
ATTACHMENT										
I.A.										

#### II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO.	OPERATION(S) CONTRIBUTI	NG FLOW	TREATMENT	
(list)	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
REFERENCE				
ATTACHMENT				
II.A				

I. Outfall Location Permit No. 836-0326

OUTFALL		LATITUDE			LONGITUDE		
NO.	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	RECEIVING WATER
SW-1	37	29	04	82	47	00	Turkey Creek
SW-2	37	28	02	82	47	15	Turkey Creek
001	37	29	02	82	47	31	Turkey Creek
002	37	28	54	82	47	06	Turkey Creek
003	37	29	02	82	47	31	Turkey Creek
004	37	28	59	82	47	39	Turkey Creek
005	37	28	59	82	47	24	Turkey Creek
006	37	28	58	82	47	17	Turkey Creek
007	37	28	45	82	47	08	Turkey Creek
008	37	28	40	82	47	14	Turkey Creek
009	37	28	35	82	47	15	Turkey Creek
010	37	28	21	82	47	11	Turkey Creek
011	37	28	16	82	47	20	Turkey Creek
012	37	28	10	82	47	19	Turkey Creek

### II. Flows, Sources of Pollution, and Treatment Technologies

Permit No. 836-0326

	OPERATION(S) CONTRIBUT	ING FLOW	TREATMENT	
OUTFALL NO. (list)	Operation (list)	Average/Design Flow (include units)	Description	List Codes from Table C-1
SW-1	Surface Monitoring Point	1.42 cfs.	Discharge to Surface Water	4-A
SW-2	Surface Monitoring Point	1.38 cfs.	Discharge to Surface Water	4-A
001	Sediment Control Pond	61.63 cfs.	Detention for Settling	1-U
002	Sediment Control Pond	101.40 cfs.	Detention for Settling	1-U
003	Sediment Control Pond	122.72 cfs.	Detention for Settling	1-U
004	Sediment Control Pond	4.61 cfs.	Detention for Settling	1-U
005	Sediment Control Pond	6.39 cfs.	Detention for Settling	1-U
006	Sediment Control Pond	2.69 cfs.	Detention for Settling	1-U
007	Sediment Control Pond	5.61 cfs.	Detention for Settling	1-U
008	Sediment Control Pond	13.74 cfs.	Detention for Settling	1-U
009	Sediment Control Pond	8.93 cfs.	Detention for Settling	1-U
010	Sediment Control Pond	7.01 cfs.	Detention for Settling	1-U
011	Sediment Control Pond	19.39 cfs.	Detention for Settling	1-U
012	Sediment Control Pond	20.32 cfs.	Detention for Settling	1-U
- ·				
			11 111	

Design flow based on 10 year-24 hour storm event

		Yes (Complete the	_	•		No (Go t	State of the state		ed Sobwerses
Clist   Cipecity   Average   Complete   Co	OUTFALL NUMBER		Days	Months	The second of th		and the first of the contract		* ● * * * * * * * * * * * * * * * * * *
I. MAXIMUM PRODUCTION  Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  Yes (Complete Item III-B) List effluent guideline category:  No (Go to Section IV)  Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?  Yes (Complete Item III-C)  No (Go to Section IV)  If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level or production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.  MAXIMUM QUANTITY  Paintity Per Day  Units of Measure  Operation, Product, Material, Etc. (specify)  Affected Outfalls (list outfall numbers)  Affected outfalls outfalls on operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.  Yes (Complete the following table)  No (Go to Item IV-B)  PRINTIFICATION OF CONDITION  AGREEMENT, ETC.  AFFECTED OUTFALLS  BRIEF DESCRIPTION OF PROJECT  FINAL COMPLIANCE D		FLOW	Per Week	4				rith units)	(in days)
Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  Yes (Complete Item III-B) List effluent guideline category:  No (Go to Section IV)  Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?  Yes (Complete Item III-C)  No (Go to Section IV)  If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.  MAXIMUM QUANTITY  Tuantity Per Day  Units of Measure  Operation, Product, Material, Etc. (specify)  Affected Outfalls (list outfall numbers)  No (Go to Item IV-B)  DENTIFICATION OF CONDITION  AGREEMENT, ETC.  AFFECTED OUTFALLS  BRIEF DESCRIPTION OF PROJECT  FINAL COMPLIANCE D	(list)	(list)							
Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  Yes (Complete Item III-B) List effluent guideline category:  No (Go to Section IV)  Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?  Yes (Complete Item III-C)  No (Go to Section IV)  If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.  MAXIMUM QUANTITY  uantity Per Day  Units of Measure  Operation, Product, Material, Etc. (specify)  Affected Outfalls (list outfall numbers)  IMPROVEMENTS  Are you now required by any federal, state or local authority to meet any implementation schedule for the construction upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.  Yes (Complete the following table)  No (Go to Item IV-B)  ENTIFICATION OF CONDITION AFFECTED OUTFALLS  BRIEF DESCRIPTION OF PROJECT  FINAL COMPLIANCE D									
Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?  Yes (Complete Item III-C) No (Go to Section IV)  If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.    MAXIMUM QUANTITY				gated by El	PA under Section	on 304 of the C	lean Water Act	apply to your	facility?
Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?  Yes (Complete Item III-C) No (Go to Section IV)  If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.    MAXIMUM QUANTITY   Affected Outfalls (list outfall numbers)    Improvements   Affected Outfalls (list outfall numbers)    Are you now required by any federal, state or local authority to meet any implementation schedule for the construction upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.    Yes (Complete the following table)   No (Go to Item IV-B)    Entification of Condition   Affected Outfalls   Brief Description of Project   Final Compliance D									
Types (Complete Item III-C)  No (Go to Section IV)  If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.    MAXIMUM QUANTITY		Yes (Complete Ite	m III-B) List	effluent gu	ideline categor	<b>y</b> :			
If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.    MAXIMUM QUANTITY	_	` •	,	effluent gu	ideline categor	y:			
If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level or production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.    MAXIMUM QUANTITY	⊠	No (Go to Section	IV)				on (or other mea	sures of opera	ution)?
Are you now required by any federal, state or local authority to meet any implementation schedule for the construction upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.  Yes (Complete the following table)  No (Go to Item IV-B)  ENTIFICATION OF CONDITION AGREEMENT, ETC.  AFFECTED OUTFALLS  BRIEF DESCRIPTION OF PROJECT  FINAL COMPLIANCE D	Are the li	No (Go to Section mitations in the applications)  Yes (Complete Itemswered "Yes" to Items	IV)  able effluent  m III-C)  n III-B, list	guideline e	expressed in ten	ms of production in the section in the section in the sectual in the section in t	l measurement	of your max	imum level
upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.  Yes (Complete the following table)  No (Go to Item IV-B)  ENTIFICATION OF CONDITION AGREEMENT, ETC.  BRIEF DESCRIPTION OF PROJECT FINAL COMPLIANCE D	Are the li	No (Go to Section mitations in the applications of the applications). Yes (Complete Itemswered "Yes" to Itemson, expressed in the terms.	IV) able effluent m III-C) n III-B, list ms and units	guideline e  the quantitused in the	No (Go to South which represent applicable effluence)	ms of production in the actual uent guideline, uct, Material,	l measurement and indicate the	of your max affected outfa	imum level alls.
DENTIFICATION OF CONDITION AGREEMENT, ETC.  AFFECTED OUTFALLS  BRIEF DESCRIPTION OF PROJECT  FINAL COMPLIANCE D	Are the li	No (Go to Section mitations in the applications)  Yes (Complete Itemswered "Yes" to Item on, expressed in the term on, expressed in the term of the section	IV) able effluent m III-C) n III-B, list ms and units MAXIMUM Measure	guideline e  the quantitused in the	No (Go to South which represent applicable efflutive peration, Production)	ms of production in the section IV) sents the actual uent guideline, uct, Material, ecify)	1 measurement and indicate the	of your max affected outfa Affected (list outfall	imum level dalls.  Outfalls numbers)
AGREEMENT, ETC. AFFECTED OUTFALLS BRIEF DESCRIPTION OF PROJECT FINAL COMPLIANCE D	Are the li	No (Go to Section mitations in the applications are the applications). Yes (Complete Items wered "Yes" to Items, expressed in the terms, expressed in the terms.  The Day Units of Items of Item	IV) able effluent m III-C) n III-B, list ms and units  MAXIMUM Measure  r federal, sta stewater equ plication? Th	the quantitused in the I QUANTI OI	No (Go to Solar which represent applicable effluence of the solar which represents applicable effluence of the solar which represents applicable effluence of the solar which is not limited.	ms of production in the section IV) sents the actual uncert guideline, uct, Material, secify)  meet any impury other environited to, permi	l measurement and indicate the Etc.  Etc.  lementation scronmental proget conditions, ac	of your max affected outfall (list outfall)	imum level dalls.  Outfalls numbers)  e constructionay affect the
	. Are the li	No (Go to Section mitations in the applications are the applications). Yes (Complete Items wered "Yes" to Items, expressed in the terms on, expressed in the terms of the applications.  DVEMENTS  now required by any g, or operation of was described in this appliforcement compliance	IV) able effluent m III-C) n III-B, list ms and units  MAXIMUM Weasure  r federal, sta stewater equiplication? The schedule lett	the quantitused in the I QUANTI Operate or local apprent or his includes ters, stipular	No (Go to Solvy which represent applicable efflorm)  TY  peration, Prod  (specific authority to practices or a solve), but is not limitions, court or control of the second secon	ms of production in the control of t	lementation so conmental prog t conditions, au r loan condition	of your max affected outfall (list outfall)	imum level dalls.  Outfalls numbers)  e constructionay affect the

Revised June 1999

program is now under way or planned, and indicate your actual or planned schedules for construction.

V.	INTAKE AND EFFLUEN	T CHARACTERISTICS		
A, 2	space provided	<b>.</b>	one set of tables for each outfalled on separate sheets numbered 5-	- Annotate the outfall number in the
D.	which you know or have rea	son to believe is discharged or m	RA Title III, Section 313) listed in any be discharged from any outfal eport any analytical data in your	ll. For every pollutant you list,
	POLLUTANT	SOURCE	POLLUTANT	SOURCE
VI.	POTENTIAL DISCHAR	GES NOT COVERED BY ANA	ALYSIS	
Α.	produce over the next 5 year	n V-C a substance or a componers as an immediate or final produ	nt of a substance which you use of the contract or byproduct?  No (Go to Item V	
C				
В.			or products can reasonably be ex wo times the maximum values re	
	Yes (Complete	e Item VI-C)	o (Go to Item VII)	
C.	If you answered "Yes" to Ite expected levels of such pollu additional sheets if you need	utants which you anticipate will	ribe in detail to the best of your able discharged from each outfall of	ability at this time the sources and over the next 5 years. Continue on
C				

3

Revised June 1999

discharges or on a receiving	ge of or reason to believe that any biolog water in relation to your discharge water the test(s) and describe their purp	vithin the last 3 years?	toxicity has been made on any of your  No (Go to Section VIII)
Yes (Ide	ntify the test(s) and describe their purp	ooses below)	No (Go to Section VIII)
			No (Go to Section VIII)
	AT TOTAL PARAMETERS		
III. CONTRACT ANA	ALYSIS INFORMATION	A CONTRACTOR OF THE STATE OF TH	
Were any of the analyses re	eported in Item V performed by a con	tract laboratory or consulting fi	irm?
	the name, address, and telephone num		No (Go to Section IX)
ana	alyzed by each such laboratory or firm	below)	
NAME	ADDRESS	TELEPHONE (Area code & number	POLLUTANTS r) ANALYZED (list)
Appalachian States Analytical, LLC	P.O. Box 520 Shelbiana, KY 41562	606-437-5616	TSS, pH, Hardness, Sulfate, Total Iron, Total Manganese, Antimony, Total Arsenic, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Mercury, Total Nickel, Total Selenium, Total Silver, Total Thallium, Total Zinc, Total Phenols
CEPTIEICATION			
IX. CERTIFICATION			
I certify under penalty of with a system designed to of the person or persons we submitted is, to the best of	assure that qualified personnel proper who manage the system, or those person	ly gather and evaluate the infor ons directly responsible for gat trate, and complete. I am awar	rmation submitted. Based on my inquir thering the information, the information that there are significant penalties for
I certify under penalty of with a system designed to of the person or persons w submitted is, to the best of	assure that qualified personnel proper who manage the system, or those person f my knowledge and belief, true, accurate, including the possibility of fine and	ly gather and evaluate the informs directly responsible for gather and complete. I am award imprisonment for knowing views	rmation submitted. Based on my inquir- thering the information, the information that there are significant penalties for
I certify under penalty of with a system designed to of the person or persons w submitted is, to the best of submitting false information	assure that qualified personnel proper who manage the system, or those personnel from knowledge and belief, true, account, including the possibility of fine an TITLE (type or print):	ly gather and evaluate the informs directly responsible for gather and complete. I am award imprisonment for knowing views	
I certify under penalty of with a system designed to of the person or persons we submitted is, to the best of submitting false information.  NAME AND OFFICIAL TABLE	assure that qualified personnel proper who manage the system, or those personnel from knowledge and belief, true, account, including the possibility of fine an TITLE (type or print):	ly gather and evaluate the inforons directly responsible for gaturate, and complete. I am award imprisonment for knowing via TELEPHONE N	rmation submitted. Based on my inquir- thering the information, the information re that there are significant penalties fo- iolations.

Revised June 1999

PLEASE PRO. IT OR TYPE IN THE UNSHADED AREAS ONLY. You may report stands or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND	EFFLUENT CH	ARACTERIST	V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)	om page 3 of Fo	m C					OUTFALL NO.		
		of at least one	analusis for avance		lle Commilete one table	e for each outfall	See instructions	nstructions for additional details.	<b>7</b>			
Part A – You must	olovide die results	Or at reast one	analysis for every pe	EFFLUENT	Fait A = 100 must provide the results of at least one analysis for every pointagns in this more complicate one more to seem seems.			3. UNITS (specify if blank)	TS blank)		4. INTAKE (optional)	
L L	a. Maximum Daily Value	Daily Value	b. Maximum 30-Day Value	0-Day Value	c. Long-Term Avg. Value (if available)	vg. Value	No. of	a. Concentration	b. Mass	a. Long-Term Avg. Value	vg. Value	Б.
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses			(1) Concentration	(2) Mass	No of Analyses
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)												
e. Ammonia (as N)												
f. Flow (in units	VALUE		VALUE		VALUE				MGD	VALUE		
g. Temperature (winter)	VALUE		VALUE		VALUE				ိုင	VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE				ငိ	VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STAN	STANDARD UNITS			

A. A. A. A. A. A. A. Maximum Dally Value (I available)  Belleved Belleved (I) Present Absent Concentration Mass Concentration M	to be absent. If you requirements.	u mark the <u>Bel</u>	dieved Prese	nt column for any p	ollutant, yo	mark the <u>Believed Present</u> column for any pollutant, you must provide the results of at least of the provide the results of the provide the provide the results of the provide the provid	results of a	t least one analysi	s for that po	llutant. Comple	te one table for each	n outfall. S	to be absent. If you mark the <u>Believed Present</u> column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.  1. 2. 6. 6.	r additional	mal details and
MNO CAS NO.   a.   b.   a.   Maximum helly Naive   b.   Maximum helly Naive   b.   Maximum helly Naive   Carefurd Ny.   Care	POLLUTANT	MAR	«X»			EF	FLUENT				UNITS		INTAKI	(optional	1
Iff ravialable         Beliered Present         Abent Concentration         (10)         (20) </th <th>AND CAS NO.</th> <th>a.</th> <th><b>,</b></th> <th>a. Maximum Dai</th> <th>ly Value</th> <th>b. Maximum 3 Value (if avail</th> <th>0-Day able)</th> <th>c. Long-Tern Value (if ava</th> <th>1 Avg. Ilable)</th> <th>No. of</th> <th>•</th> <th><b>5</b>.</th> <th>a, Long-Term . Value</th> <th>Avg</th> <th></th>	AND CAS NO.	a.	<b>,</b>	a. Maximum Dai	ly Value	b. Maximum 3 Value (if avail	0-Day able)	c. Long-Tern Value (if ava	1 Avg. Ilable)	No. of	•	<b>5</b> .	a, Long-Term . Value	Avg	
Distribution   Dist	(if available)	Believed   Present	Believed Absent	(1) Concentration	Mass	(1) Concentration	Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	(2) Mass	Analyse
	Total Residual		•												
	. Chloride														
	Chlorine, Total														
	Residual														
	. Color														
							·								
	_														
Organic (as N)															
Oil and Grease Grease Phosphorous (as P), Total 7723-14-0  1. adioactivity Total Tot	Organic (as N)														
Phosphorous (as P), Total	. Oil and Grease														
7723-14-0  1 7723-14-0  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Phosphorous														
	7723-14-0														
1) Alpha,  Total  2) Beta,  Total  3) Radium  Total  4) Radium,  4) Radium,	n. Radioactivity														
2) Beta, Total  Total  1) Radium  4) Radium,	l) Alpha, Total														
3) Radium Total 4) Radium,															
4) Radium,	3) Radium Total			-											
	(4) Radium,														

Achieved Deliveric Concentration Mass Concentration	POLLUTANT		2. MARK"X"			2.2	3.				4.		INTAK	5. (a)	
Persent Abrau Concentration Mass	And CAS NO.	<b>P</b>	<b>F</b>	a. Maximum Dali	v Value	b. Maximum 3 Value (If avai	0-Day		Avg.	d.	o .	7	a. I ano-Term Avo	Value	Z 5 5
	(if available)	Believed Present	Believed Absent	(I) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	(2) Mass	Analyses
o. Sulfide         (as S)         (as S)         p. Sulfide         (as SOA)         (A Daminum, Total (7429-90))         Total (7429-90)         (A Surfaciants)         1. Boren, Total (7429-93)         (A Daminum, Total (7439-93)	n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)			,											
	o. Sulfide (as S)														
(as SO <sub>3</sub> )   (as SO <sub>4</sub> )   (as	p. Sulfite														
q. Surfactants           f. Aluminum, Total (7429-90)           (7440-39-3)           s. Barium, Total (7440-42-8)           (7440-42-8)           (7440-42-8)           (8 Cont, Total (7440-42-8)           (8 Cont, Total (7440-42-8)           (8 Cont, Total (7440-42-8)           (9 Cont, Total (7440-42-8)           (10 Cont, Total (7440-42-8)															
r. Aluninum, (1429-90) (7429-90) (7429-90) (7440-9-3) (15 Barium, Total (1440-9-3) (15 Barium, Total (1440-9-3)) (15 Boron, Total (1440-9-3)) (16 Boron, Total (1440-9-3)) (17 Boron, Total (1440-3)) (1															
Total   Tota															
8. Barlum, Total       (7440-93.3)         1. Boron, Total       (12404-42.8)         1. Cobalt, Total       (12404-43.4)         (74404-43.4)       (10, Total         (7430-98-6)       (1339-96-4)         (7439-98-4)       (1339-96-4)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-7)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (1339-96-6)         (7439-98-8)       (	(7429-90)						•								
t. Boron, Total (7440-42-8) (7440-42-8) (7440-42-8) (7440-43-8) (7440-48-48-4) (7440-48-4)	s. Barium, Total (7440-39-3)														
	t. Boron, Total (7440-42-8)														
v. Iron, Total       (7439-89-6)         w. Magnesium       Total         (7439-96-4)       (7439-96-4)         x. Molybdenum       Total         (7439-98-7)       (7439-98-7)         y. Manganese, Total       (7449-96-6)         (7439-96-6)       (7439-96-6)         z. Tin, Total       (7449-31-5)         aa. Titanium, Total       (7449-96-6)	u. Cobalt, Total (7440-48-4)														
w. Magnesium Total (7439-96-4) x. Molybdenum Total (7439-98-7) y. Manganese, Total (7439-96-6) 2. Tin, Total (7440-31-5) a. Titanium, Total (740-31-6)															
(1439-90-4)  X. Molybdenum  Total (7439-98-7)  Y. Manganese, Total (7439-96-6) (7439-96-6) (7439-96-6)  Z. Tin, Total (7440-31-5)  aa. Titanium, Total (7440-31-5)	w. Magnesium Total							,							
= ۱۵۰ حال حالات	x. Molybdenum														
المالية الأرا	(7439-98-7)										- 1. · · · · ·				
حال جا ت	y. Manganese, Total														
(7440-31-5) aa. Titanium, Total	حاد														
Total	aa. Titanium,														
	Total														

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions, mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

Testing Believed Believed Maximum Dally Value (If available) Value (If a	•		2. Mark "Y"		T	3. Feat lieur		SLINE •		S. INTAKE (optional)	
Testing   Baleved   Baleved   Maximum Dally Value   Extracted by   Value   V	POLLUTANT								r	# # # # # # # # # # # # # # # # # # #	
	Alla CAS NO.	Testino	Believed	Bellieved	Maximum Daily Value	Value (if available)	Yalue (if available)	296 FS	Mass	9 . S	
VANIDE AND TOTAL PHENOIS  y  y  10)  10)  11)  11)  12)  13)  14)  15)  16)  17)  18)  19)  19)  10)  11)  11)	(if available)	Required	Present	Absent	-	(1) (2) Concentration Mass	(1) (2) Concentration Mass			100 A	<u> </u>
Table   Tabl	METALS, CYAN	IDE AND TO	OTAL PHE	NOLS							
Treat     (7440-34-0)       2 M. Assentic, 12 (1400-34-2)     (7440-34-1)       2 M. Boyllium (17440-43-1)     (7440-43-1)       3 M. Boyllium (17400-34-1)     (7440-43-1)       3 M. Boyllium (17400-34-1)     (7440-43-1)       4 M. Cadmium (17400-34-1)     (7440-43-1)       5 M. Chromium (17400-34-1)     (7440-43-1)       5 M. Cadmium (17400-34-1)     (7430-34-1)       7 M. Icad (17400-34-1)     (7430-34-1)       7 M. Moreury (17400-34-1)     (7430-34-1)       7 M. Moreury (17400-34-1)     (7440-34-1)       8 M. Moreury (17400-34-1)     (7440-34-1)       9 M. Noreury (17400-34-1)     (7440-34-1)       10 M. Moreury (17400-34-1)     (7440-34-1)       10 M. Moreury (17400-34-1)     (7440-34-1)       10 M. Moreury (17400-34-1)     (7440-34-1)	1M. Antimony										
2M. Assnis, (1440-28.2)       (1440-28.2)         (17440-28.2)       (17440-28.2)         (17440-28.2)       (17440-29.2)         (17440-29.2)       (17440-29.2)         (17440-29.2)       (17440-29.2)         (17440-29.2)       (17440-29.2)         (17440-29.2)       (17440-29.2)         (17440-29.2)       (17440-29.2)         (17450-29.2)       (17450-29.2)	Total (7440-36-0)										
Total   Tota	2M. Arsenic.										
(7440-18-2)   (7440-17)   (7440-14	Total										
37. Beryllium (744-17). (2	(7440-38-2)										
(7440-41-7) (7440-41-7) (7440-43-9) (7440-43-9) (7440-43-9) (7440-43-9) (7440-43-9) (7440-43-9) (7440-43-9) (7440-43-9) (7440-74-91) (7440-78-91) (7	3M. Beryllium										
4M. Cadmium Total (7440-43-5) (7440-43-5) (7440-43-5) (7440-43-7) (7440-43-7) (7440-43-7) (7440-43-7) (7440-43-7) (7440-43-7) (7440-43-7) (7440-43-7) (7440-43-7) (7440-74-7) (7440-74-7) (7440-74-7) (7440-74-7) (7440-74-7) (7440-74-7) (7440-74-7) (7440-74-74 (7440-74 (74400-74 (7440-74 (74400-74 (74400-74 (74400-74 (74400-74 (74400-74 (74400-74 (74400-74 (74400-	(7440-41-7)										
Total (7440439)	4M. Cadmium										
(744043-9) (744043-9) (744043-9) (744043-9) (744043-9) (7450-90-8)	Total										
M. Chromium Total (7440-43-9) 6M. Copper Total (7550-50-8) 7M. Lead (7439-92-1) 7M. Mercury Total (7439-97-6) 9M. Nickel, Total (7440-02-0) 10M. Selemium, Total (7182-49-2) 11M. Silver, Total (7440-02-0) 11M. Silver, Total	(7440-43-9)										
(1440-43-9)   (1440-43-9)	5M. Chromium										···
6M. Copper Total (750-50-8) (750-50-8) (7430-92-1) (7430-92-1) (7430-97-6) (7430-97-6) (7430-97-6) (7440-02-0) (7182-49-1) (71	(7440-43-9)					-					
Total   (7450-50-8)   (7450-	6M. Copper										
(750-50-8) (78.0-50-8) (78.1 Lead Total (7439-92-1) (7439-92-1) (7439-97-6) (7449-97-6) 9M. Nickel, Total (7440-02-0) (7440-02-0) (7782-49-2) (7782-49-2) (710al (7782-49-2) (7782-19-2)	Total										
Total (7439-92-1) 8M. Mercury Total (7439-97-6) 9M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7440-02-0) 11M. Silver, Total (782-49-2) 11M. Silver, Total (782-02-0) 11M. Silver, Total (782-02-02-0) 11M. Silver, Total (782-02-02-02-02-02-02-02-02-02-02-02-02-02	(/350-50-8)										
(7439-92-1) 8M. Mercury Total (7439-97-6) 9M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7782-49-2) 11M. Silver, Total	7M. Lead Total										
8M. Mercury Total (7439-97-6) 9M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-12-0) 11M. Silver, Total	(7439-92-1)										
Total (7439-97-6) 9M. Nickel, Fotal (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (77440-02-0) 11M. Silver,	8M. Mercury										
9M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-02-0)	Total										
9M. Nicket, Total (7440-02-0) (10M. Selenium, Total (7782-49-2) (11M. Silver, Total (7440-28-0)	(/439-9/-0)										
(7440-02-0) (10M. Selenium, Total (1782-49-2) (11M. Silver, Total (7740-08-0) (1740-08-08-08-08-08-08-08-08-08-08-08-08-08	9M. Nickel,										
10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-28-0)	(7440-02-0)										
Total (7782-49-2) (11M. Silver, Total (7440-28-0)	10M. Selenium,										
(7)82,49-2)  IIM. Silver, Total (7440.78.0)	Total										
Total (7440-28-0)	(//82-49-2)										
(74AO 28 O)	HM. Silver,										
	(7440-28-0)						•				

	2. MARK "X"			BEFFLUENT	•		4. UNITS		5. INTAKE (optional)	(nal)
POLLUTANT a. And CAS NO. Testing (if available) Required		b. Believed Absent	Maximum Daily Value (1) (2) Concentration Mass	b. Maximum 30-Day Value (if available) (1) (2) Concentration Mass	c. Long-Term Avg. Value (if available)  (1) (2) Concentration Mass	d. No. of Analyses	a, Concentration	b. Mass	Long-Term Avg Value  (1)  Concentration Mass	No. of Analyses
ETALS, CYANIDE AND	TOTAL PHI	ENOLS (Co		Ŀ					1	
12M. Thallium, Total (7440-28-0)							!			
13M. Zinc, Total (7440-66-6)										
14M. Cyanide, Total (57-12-5)										
15M. Phenols, Total										
DIOXIN										-
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)										-
GC/MS FRACTION - VOLATILE COMPOUNDS			DESCRIBE RESULTS:							
IV. Acrolein (107-02-8)	ATILE CON	APOUNDS	DESCRIBE RESULTS:							
2V. Acrylonitrile	ATILE CON	APOUNDS	DESCRIBE RESULTS:							
(10/-13-1)	ATILE CON	APOUNDS	DESCRIBE RESULTS:							
3V. Benzene (71-43-2)	ATILE CON	APOUNDS	DESCRIBE RESULTS:							
3V. Benzene (71.43-2) 5V. Bromoform (75-25-2)	ATILE CON	APOUNDS	DESCRIBE RESULTS:							
3V. Benzene (71 43-2) 5V. Bromoform (75-25-2) 6V. Carbon Tetrachloride (76-23-5)	ATILE CON	APOUNDS.	DESCRIBE RESULTS:							
3V. Benzene (71 43-2) 5V. Bromoform (75-25-2) 6V. Carbon Tetrachloride (56-23-5) 7V. Chlorobenzene	ATILE CON	APOUNDS.	DESCRIBE RESULTS:							
V. Benzene V. Benzene 71 43-2) V. Bromoform 75-25-2) V. Carbon etrachloride 66-23-5) V. Chloro- benzene 08-90-7)	ATILE CON	POUNDS	DESCRIBE RESULTS:							
3V. Benzene (71-43-2) 5V. Bromoform (75-25-2) 6V. Carbon Tetrachloride (56-23-5) 7V. Chlorobenzene (108-90-7) 8V. Chlorodibro-	ATILE CON	APOUNDS	DESCRIBE RESULTS:							

												San Special	
		2. MARK "X"				3. EFFLUENT			JUNITS		INTAK	5. INTAKE (optional)	
POLLUTANT And CAS NO. (If available)	a. Testing Required	a. Believed Present	b. Belleved Absent	Maximum Daily Value (1) (2) Concentration Mass	b. Maxim Value (if (1)		c. Long-Term Avg.  Value (if available)  (1)  Concentration Mass	d. No. of Analyses	a. Concentration	b. Mass	Long-Term Avg Value  (I)  Concentration Mass	g Value (2) Mass	b. No. of Analyses
9V. Chloroethane (74-00-3)			9 9	-			-						
10V. 2-Chloro- ethylvinyl Ether (110-75-8)													
11V. Chloroform													
(67-66-3)													
bromomethane		·											
14V. 1,1-													
Dichloroethane (75-34-3)													
15V. 1,2-													
Dichloroethane (107-06-2)													
16V. 1,1-													
Dichlorethylene (75-35-4)													
17V. 1,2-Di- chloropropane													
(78-87-5)													
18V. 1,3- Dichloropro-										-1			
pylene (452-75-6)			4										
19V. Ethyl-													
benzene (100-41-4)													
20V. Methyl													
Bromide (74-83-9)													

Terling Believed Believed Antenim Diliy Value (Incentration Absent Absent (Incentration Mass Concentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentration Mass Concentration Mass Concentration Mass Concentration (Incentration Mass Concentr			2. MARK "X"			3. Effeluent			4.		5. INTAKE (optional)	mal)
Required Present Absent OD	POLLUTANT And CAS NO.	NY dia 1893	a. Believed	b. Believed	8. Maximum Daily Value	b. Maxim Value (if				b. Mass	a. Long-Term Avg. Value	b. No. of Analyses
	(if available)	Required	Present	Absent	(1) (2) Concentration Mass	(1) Concentration	*	4 2 2			- 31 )   13   31	
Chloride (74.87-3) (74.87-3) (75.09.2) (75.09.2) (75.09.2) (76.09.	IV. Methyl											
W. Mednylene       Chloride         Chloride       Chloride         (7.506)       Emerichoration         Lettenshoration       Emerichoration         Lettenshoration       Emerichoration         Lettenshoration       Emerichoration         Lettenshoration       Emerichoration         Lettenshoration       Lettenshoration         Littles       Littles         V. Tolume       Littles         (108-88-1)       Littles         V. Tolume       Littles <t< td=""><td>Chloride (74-87-3)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Chloride (74-87-3)											
Chloride (75-00-2) (70-34-5) (70-34-	2V. Methylene											
V.1,1,2,2.5	(75-00-2)											
Tetrachloro ethane	23V. 1,1,2,2-							170				
(79-34-5) W. Tetrachtoro- ethylene (127-18-4) (127-18-4) (127-18-3) W. Toluene (127-18-4) (127-18-4) W. Toluene (127-18-4) (127-18-3) W. Toluene (127-18-4) W. Toluene (127-18-4	Tetrachloro-											
V. Toluene   (127-18-4)   (108-88-3)   (10	ethane (79-34-5)											
Tetrachloro- ethylene	24V.											
chtylene       (127-18-4)         V. Toluene       (108-98-3)         V. Toluene       (108-68-3)         Dichloro-       ethylene         ethylene       (185-60-5)         (185-60-5)       (19-01-6)         VV. 1,1,1-Tri-       (19-01-6)         VV. 1,1,2-Tri-       (19-01-6)         VV. 1,1,2-Tri-       (19-01-6)         VV. 1,1,2-Tri-       (19-01-6)         VV. 1,1,1-Tri-       (19-01-6)         VV. 1,1,1-Tri-       (19-01-6)         VV. 1,1,2-Tri-       (19-01-6)         VV. 1,1,1-Tri-       (19-01-6) <td>Tetrachloro-</td> <td></td>	Tetrachloro-											
8V. Toluene         \$V. Toluene         \$V. 12-Trans-         Dichlore-         ethylene         (156-60-5)         1,1,1-Tri-         blorochane         (179-60-1)         8V. 1,1,2-Tri-         blorochane         (79-00-5)         (79-01-6)         V. Trichloro-         cthylene         (179-01-6)         (179-01-6)	ethylene							***				
8V. 17-Intens       (108-88-3)         VI. 12-Trants-       Dichloro-         chlylene       (1156-60-5)         (115-60-5)       VI. 11,1-Tri-         NV. 11,1-Tri-       Intensity	(127-10-4)											
(108-88-3)       (108-88-3)         Dichloro-       (156-80-5)         ethylene       (156-60-5)         (156-60-5)       (11-1-Tri-         sV. 1,1-1-Tri-       (10-cethane         (10-55-6)       (11-55-6)         3V. 1,12-Tri-       (11-55-6)         sV. 1,12-Tri-       (11-55-6)         3V. 1,13-Tri-       (11-55-6)	5V. Toluene											
SV. 1,2-Trans-       Dichloro-         cltylene       ethylene         (156-60-5)       N. 1,1,1-Tri-         NV. 1,1,1-Tri-       N. 1,1,2-Tri-         sv. 1,1,2-Tri-       sv. 1,1,2-Tri-         sv. 1,2-Tri-       sv. 1,2-Tri-         sv. 1,2-Tri-       sv. 1,2-Tri-         sv. 1,2-Tri-       sv. 1,2-Tri-         sv. 1,2-Tri-       sv. 1,2-Tri-	(108-88-3)											
Dichloro- ethylene	26V. 1,2-Trans-											
cltylene       (156-60-5)       (171-717-117-117-117-117-117-117-117-117	Dichloro-											
7V. 1,1,1-Tri-         Ioloroethane         (71-55-6)         3V. 1,1,2-Tri-         Ioroethane         (19-00-5)         N. Trichloro-         ethylene         (79-01-6)         V. Vinyl         V. Vinyl         Chloride	ethylene (156-60-5)			•								
Iloroethane	7V. 1,1,1-Tri-											
3V. 1,1,2-Tri- alloroethane	chloroethane											
Ioroethane	8V. 1,1,2-Tri-											
(79-00-5)  PV. Trichloro- ethylene (79-01-6) (79-01-6) (79-01-6) (Chloride	chloroethane										<b>3</b> 42	
Other Principloro- ethylene (79-01-6) V. Vinyl Chloride	(79-00-5)											
ethylene (79-01-6)	9V. Trichloro-											
OV. Vinyl Chloride	ethylene (79-01-6)											
Chloride	0V. Vinyl											
	Chloride											

Part C - Continued	2										10 May 10
		2.			3.			4.		S.	
POLLUTANT And CAS NO.	a. Testing	a. Believed	b. Believed	a, Maximum Daily Value	b. Maximum 30-Day Value (if available)	c. Long-Term Avg. Value (if available)	N d.	a. Concentration	b. Mass	a. Long-Term Avg Value	alue No. of Analyses
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	(1) (2) Concentration Mass	(1) (2) Concentration Mass				(1) Concentration	Mass
GC/MS FRACTION - ACID COMPOUNDS	ON - ACID (	OMPOUND	S	1 1	-					1	
1A. 2-Chloro-											
(95-57-8)								:			
2A. 2,4-											
Orophenol											
(120-83-2)											
2,4-Dimeth-											
ylphenol (105-67-9)											-
4A. 4,6-Dinitro-											
o-cresol (534-52-1)											
5A. 2,4-Dinitro-											
phenol (51-28-5)											
6A. 2-Nitro-											
phenol (88-75-5)				77.47.78.4.4.4							
7A. 4-Nitro-											
phenoi (100-02-7)											
8A. P-chloro-m-											
cresol   (59-50-7)											
9A.											
phenol											
(87-88-5)											
10A. Phenol (108-05-2)											
11A. 2,4,6-Tri-											
(88-06-2)											
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS	ON - BASE/N	NEUTRAL C	OMPOUNI	SC							
l B. Acena- phthene											
(83-32-9)											

	•					,							
Part C-Continued	B	3				•							
		ARK "X"				3. Effluent			4. UNITS		.5. INTAKE (	5. INTAKE (optional)	
POLLUTANT And CAS NO.	a. Testing	a. Believed	b. Believed	a. Maximum Dally Value		b. Maximum 30-Day Value (if available)	c. Long-Term Avg. Value (if available)	No. of	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
(if available)	Required	Present	Absent	(I).	Ω	(1) (2)   Concentration Mass	(1) (2) Concentration Mass	Analyses		sour veza	(1) Concentration	(2) Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/N	NEUTRAL C	OMPOUNI	1 1	1 1	J E	JE				4 H		
13B. 4-Bromo- nhenvl													<del></del>
Phenyl ether													
(101-55-3)													
14B. Butyl-													
benzyl													
(85-68-7)													
15B. 2-Chloro-													
(7005-72-3)													
16B. 4-Chloro-													
phenyl sther													
(7005-72-3)													
17B. Chrysene		<u>.</u>						·				-	
18B Dibenzo-													
(a,h)					· ·								
Anthracene (53-70-3)													
19B. 1,2-													
Dichloro-													
benzene (95-50-1)													
20B. 1,3-													
Dichloro-													
Benzene (541-73-1)													
21B. 1,4-													
Dichloro-													
(106-46-7)													
22B. 3,3-													
Dichloro-				- A									
(91-94-1)													
23B. Diethyl						-							
Phthalate (84-66-2)													

No.   Total   Delived	rari C = Continued		2. MARK "X"			3.			UNITS		5. INTAKE (optional)	
	POLLUTANT And CAS NO.		<b>a.</b>	Ŗ.	P	b. Maximi	c. Long-Term Avg.		<b>a.</b>	<b>y</b>	a. Long-Term Avg. Val	
SFRACTION BASE/RUTPAL COMPOUNDS (Contentration)   Mass   Concentration   Concentration   Mass   Concentration   Concentration   Mass   Concentration   Concent	(if available)	Required	Present	Absent		Value (II avaii		e Orași	Concentiation	i i i		
248 pinaday	COME ED ACTI	) B A CE/	NETITE AT 1	SAIDOINI I		Concentration						200
248 Unitaly    (214 Pithialite   (214 Pithialite   (224 Pithiali	GC/MS FRACII	ON - DASE/	MEDIKAL	OMFOOTA	73 (Continued)							
Dinitro- ne 20-2) Dinitro- ne 20-2) Din-n-octyl slate (84-0) Di-szine (as benzene) 66-7)  anthene 44-0) Fluorene (3-7) Chloro-	24B. Dimethyl Phrhalate											
Di-N- Phthalate 4-2)  Dinitro- ne 20-2)  Di-n-octyl late 8-4-0)  Di-choro- tzine (as benzene) 66-7)  anthene 44-0)  Fluorene 71-1)  Chloro-	(131-11-3)											
Prhthalate 4-2)  Jinitro- ne 20-2)  Jinitro- ne 20-2)  Jinitro- ne 20-2)  Jin-cetyl Jalite 84-0)  1,2- anthene 44-0)  44-0)  Fluorene 3-7)  Gchloro- ene 271-1)  Cchloro- genta-	25B. Di-N-											
Dinitrone ne 14-2)  initro- ne 20-2) 20-2) Di-n-octyl Di-n-octyl Alate 88-4-0)  1.2- nnyl- izine (as benzene) 66-7)  66-7)  Fluorene 3-7)  71-1)  chloro-	(84-74-2)											
Dinitrone ne 14-2)  initro ne 20-2) 20-2) 20-2) 11,2- initro ne 20-2) 21-n-octyl Di-n-octyl I,2- inyl- izine (as benzene) 66-7)  66-7)  anthene 44-0)  44-0)  Fluorene 3-7)  chloro-	26B.											
ne 14-2)  Sinitro- ne 20-2) Di-n-octyl Di-n-octyl late 84-0) 1;2- myl- szine (as benzene) 66-7) 66-7)  Fluorene 3-7) chloro- ene 71-1) chloro- lichoro- jenta-  jenta- jenta- jenta-  jenta-	2,4-Dinitro-											
binitro- ne 20-2) Di-n-octyl alate 84-0) Li,2- flyzine (as benzene) 66-7) anthene 44-0)  Fluorene 3-7) chloro- ene ene 71-1) chloro- genta- iliene 88-3)	toluene (121-14-2)											
Dinitro- ne Din-nectyl Di-n-cetyl Alate 84-0) 1,2- nyl- izine (as benzene) 66-7) 66-7)  anthene 44-0) Fluorene 3-7) 3-7) chloro- ene 71-1) chloro- genta- ichloro- chloro-	27B.											
20-2) 20-2) 20-2) 20-2) Di-n-octyl lalate 84-0) 1,2- inyl- izine (as benzene) 66-7) 24-0) 44-0) 44-0) 66-71  chloro-	2,6-Dinitro-											
Di-n-octyl late 84-0) 1,2- nyl- izine (as penzene) 66-7)  anthene 44-0)  Fluorene 3-7)  chloro- ne ne 71-1)  chloro- liene 8-3)  chloro-	toluene (606-20-2)											
ilate 84-0) 84-0) 84-0)  inj- inj- inj- inj- inj- inj- inj- inj	28B. Di-n-octyl											
1.2- inyl- izine (as senzene) 66-7)  anthene 44-0)  Fluorene 3-7) chloro- ene 71-1) chloro- ichloro- ichloro- chloro-	Phthalate (117-84-0)											
myl- izine (as penzene) 66-7)  anthene 44-0)  Fluorene 3-7)  chloro- iiene 8-3)  chloro- penta- penta- 7-4)	29B. 1,2-											
anthene 44-0)  Fluorene 3-7)  chloro- iiene (8-3)  chloro- jenta- penta-	diphenyl-											
anthene 44-0)  Filorene 3-7)  chloro- ene 71-1)  chloro- licene 8-3)  chloro- chloro- chloro- penta- penta- 7-4)	azonbenzene)											
anthene 44-0)  Fluorene 3-7)  chloro- ene 71-1)  chloro- licene 8-3)  chloro- penta- penta- 7-4)	(122-66-7)											
H4-0)  Fluorene  H-7)  hlorone  ene  ene  F-3)  hloro- hloro- hloro- ene  F-3)	30B.											
Horene Horone hlorone ne ne ne ne ne ne n-1-1) hlorone ene s-3) hlorone hlorone hlorone hlorone hlorone hlorone hlorone hlorone	Fluoranthene											
Horo- ne (1-1)  hloro- ne (1-1)  hloro- ene (+3)  hloro- hloro- hena- (+4)	(200-11-0)											
hloro- ne	31B. Fluorene											
hloro- ne	32B.											
hloro- hloro- hloro- hloro- hloro- hloro- hloro- hloro-	Hexachloro-											
hloro- ene (S-3) hloro- hloro- enta-	benzene (118-71-1)											
hloro- hloro- hloro- hloro- hlora- 74)	33B.											
s-3) hloro- enta- 74)	Hexachloro-										_	
34B. Hexachloro- cyclopenta- diene (77474)	butadiene (87-68-3)											
Hexachloro- cyclopenta- diene (77474)	34B.											-
diene (77-47-4)	Hexachloro-											
(77.47.4)	diene				-11							
	(77-47-4)											

Part C - Continued	Ed.														
-		2. MARK "X"				EFFL	3. EFFLUENT				4. UNITS		5. INTAKE (optional)	(optional)	
POLLUTANT And CAS NO.		) B	ь.	<b>3</b>		b. Maximum 30-Day	-Day	c. Long-Term	Avg.	ď	ja P	è	a. Long-Term Avg Value	/alue	
(if available)	Required	Present	Absent	(1) (2) Concentration Mass		(1) (2) Concentration Ma	(2) Mass	(1) Concentration	(2) Mass	Analyses		į	(1) Concentration	(2) Mass	, , , , , ,
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/I	NEUTRAL (	OMPOUN												
35B. Hexachlo-				•••											
roethane (67-72-1)															
36B. Indneo-															
(1,2,3-oc)-	-				·										
(193-39-5)															
37B.															
(78-59-1)									-						
38B.													***************************************		
(91-20-3)															
39B.															
benzene															
ANR N-Nitroso-															
dimethyl-															
amine (62-75-9)															
41B.	;														
N-nitrosodi-n-															
propylamine (621-64-7)								···							
42B. N-nitro-															
amine															
(86-30-6)															
43B. Phenan-															
(85-01-8)															
AAR Dyrana															
(129-00-0)															
45B. 1,2,4 Tri-															
benzene															
(120-82-1)															

	POLLUTANT And CAS NO. (If available)	GC/MS FRACTION - PESTICIDES	IP. Aldrin (309-00-2)	2P. α-BHC (319-84-6)	3P. β-BHC (58-89-9)	4P. gamma-BHC (58-89-9)	5P. δ-BHC (319-86-8)	6P. Chlordane (57-74-9)	7P. 4,4'-DDT (50-29-3)	8P. 4,4'-DDE (72-55-9)	9P. 4,4'-DDD (72-54-8)	10P. Dieldrin (60-57-1)	I IP. α- Endosulfan (115-29-7)	12P. β- Endosulfan (115-29-7)	13P. Endosulfan Sulfate (1031-07-8)	14P. Endrin (72-20-8)
	a. Testing Required	ION - PESTI														
2. MARK "X"	a. Believed Present	CIDES														
	b. Believed Absent															
	Maximum Daily Value (1) (2) Concentration Mass	- I														
EFF	b. Maxim Value (ii (1) Concentrat	<b>⊣</b> ∦														
3. EFFLUENT		-														
	c. Long-Term Avg.  Value (if available)  (1)  Concentration Mas	<b>⊣</b> ⊦														
	Avg. d. ble) No. of (2) Analyses Mass															
UNITS	a, Concentration															
	M.F.															
INTAK	Long-Term Avg. Value  (1) Concentration Mass														-	
5. INTAKE (optional)	ç. Value (2) Mass															
٦	b. No. of Analyses															

A.  B. Maximum 30-Day  Maximum Daily Value  (I) (2) (1) (2)  Concentration  Mass   Part C - Continued  2. MARK "X"	b. Believed Absent	GC/MS FRACTION – PESTICIDES	15P. Endrin Aldehyde (7421-93-4)	16P Heptachlor (76-44-8)	17P. Heptaclor Epoxide (1024-57-3)	18P. PCB-1242 (53469-21-9)	19P. PCB-1254 (11097-69-1)	20P. PCB-1221 (11104-28-2)	21P. PCB-1232 (11141-16-5)	22P. PCB-1248 (12672-29-6)	22P. PCB-1248 (12672-29-6) 23P. PCB-1260 (11096-82-5)	22P. PCB-1248 (12672-29-6) 23P. PCB-1260 (11096-82-5) 24P. PCB-1016 (12674-11-2)	
UENT LUENT C. Long-Term Avg. lable Value (if available) (2) Mass Concentration Mass												<del></del>	
C. Long-Term Avg. Value (if available) (7) (7) (8) Concentration Mass	g, Effilu	b. Maximum 30-I Value (if availab (1)	H										
n Avg. Italie) Mass	JENT												
		n Avg. lable) (2)											
	4. UNITS	a. Concentration											
		Mass	26 100 100 100 100 100 100 100 100 100 10										
	INTAKE (option	Long-Term Avg Value  (1) (2)  Concentration Mass	P										
Ma See	5	No. of Analyses											